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Glenn P. Ladwig  
Glenn P. Ladwig, Patent Attorney



1Fu/1632  
SUPPLEMENTAL INFORMATION  
DISCLOSURE STATEMENT  
Examining Group 1632  
Patent Application  
Docket No. USF-183XC1  
Serial No. 10/526,584

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Examiner : (Not yet assigned)  
Art Unit : 1632  
Applicant : Shyam S. Mohapatra  
Serial No. : 10/526,584  
Filed : March 3, 2005  
For : Materials and Methods for Treatment of Allergic Diseases

MS AMENDMENT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT  
UNDER 37 C.F.R. §§1.97 AND 1.98

Sir:

In accordance with 37 C.F.R. §1.56, the references listed on the attached form PTO/SB/08 are being brought to the attention of the examiner for consideration in connection with the examination of the above-identified patent application. A copy of each cited reference is enclosed. However, the applicant has not submitted copies of the U.S. patent or published U.S. application cited on attached Form PTO/SB/08 pursuant to 37 C.F.R. §1.98(a)(2)(ii).

The applicant respectfully asserts that the substantive provisions of 37 C.F.R. §§1.97 and 1.98 are met by the foregoing statement.

Respectfully submitted,

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Attachments: Form PTO/SB/08 (4 pages); copies of some references cited therein



PTO/SB/08A (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

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<b>Substitute for form 1449A/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	10/526,584
				Filing Date	March 3, 2005
				First Named Inventor	Shyam S. Mohapatra
				Art Unit	1632
Examiner Name					
Sheet	1	of	4	Attorney Docket Number	USF-183XC1

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number - Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	U1	US-2002/0146821 A1	10-10-2002	Sanchez-Ramos et al.	All
	U2	US-6,528,245 B2	03-04-2003	Sanchez-Ramos et al.	All
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FOREIGN PATENT DOCUMENTS						
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		Country Code <sup>3</sup>	Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)			
	F1	WO	00/71576 A2	11-30-2000	Mayo Foundation	All
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			Filing Date	March 3, 2005	
			First Named Inventor	Shyam S. Mohapatra	
			Group Art Unit	1632	
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			Attorney Docket Number	USF-183XC1	
Sheet	2	of	4		

NON PATENT LITERATURE DOCUMENTS			
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	R1	CHEN, X. <i>et al.</i> "Human bone marrow stromal cell cultures" <i>J Neurosci Res</i> , 2002, 69:687-691.	
	R2	CHEN, X. <i>et al.</i> "Ischemic rat brain extracts induce human marrow stromal cell growth factor production" <i>Neuropathology</i> , 2002, 22:275-279.	
	R3	CHEN, J. <i>et al.</i> "Therapeutic benefit of intravenous administration of bone marrow stromal cells after cerebral ischemia in rats" <i>Stroke</i> , 2001, 32:1005-1011.	
	R4	CHEN, J. <i>et al.</i> "Therapeutic benefit of intracerebral transplantation of bone marrow stromal cells after cerebral ischemia in rats" <i>J. Neurological Sci.</i> , 2001, 189:49-57.	
	R5	CHOPP, M. <i>et al.</i> "Spinal cord injury in rat: treatment with bone marrow stromal cell transplantation" <i>Neuroreport</i> , 2000, 11:3001-3005.	
	R6	DOCZI, T.P. <i>et al.</i> "Atrial natriuretic peptide (ANP) attenuates brain oedema accompanying experimental subarachnoid haemorrhage" <i>Acta Neurochir (Wien)</i> , 1995, 132:87-91.	
	R7	JENSEN, K.T. <i>et al.</i> "A new, fast and reliable radioimmunoassay of brain natriuretic peptide in human plasma. Reference values in healthy subjects and in patients with different diseases" <i>Scand J Clin Lab Invest</i> , 1997, 57:529-540.	
	R8	KANEKO, T. <i>et al.</i> "C-type natriuretic peptide (CNP) is the major natriuretic peptide in human cerebrospinal fluid" <i>Brain Res</i> , 1993, 612:104-109.	
	R9	KOJIMA, M. <i>et al.</i> "Cloning and sequence analysis of cDNA encoding a precursor for rat brain natriuretic peptide" <i>Biochem. Biophys. Res. Commun.</i> , 1989, 159(3):1420-1426.	
	R10	LI, Y. <i>et al.</i> "Intrastriatal transplantation of bone marrow nonhematopoietic cells improves functional recovery after stroke in adult mice" <i>Journal of Cerebral Blood Flow &amp; Metabolism</i> , 2000, 20:1311-1319.	
	R11	LI, Y. <i>et al.</i> "Human marrow stromal cell therapy for stroke in rat: Neurotrophins and functional recovery" <i>Neurology</i> , 2002, 59:514-523.	
	R12	LU, D. <i>et al.</i> "Adult bone marrow stromal cells administered intravenously to rats after traumatic brain injury migrate into brain and improve neurological outcome" <i>Neuroreport</i> , 2001, 12:559-563.	
	R13	MAHMOOD, A. <i>et al.</i> "Treatment of traumatic brain injury in female rats with intravenous administration of bone marrow stromal cells" <i>Neurosurgery</i> , 2001, 49:1196-1204.	

Examiner Signature		Date Considered	
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			Application Number	10/526,584	
			Filing Date	March 3, 2005	
			First Named Inventor	Shyam S. Mohapatra	
			Group Art Unit	1632	
			Examiner Name		
Sheet	3	of	4	Attorney Docket Number	USF-183XC1

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	R14	MAHMOOD, A. <i>et al.</i> "Intracranial bone marrow transplantation after traumatic brain injury improving functional outcome in adult rats" <i>Journal of Neurosurgery</i> , 2001, 94:589-595.	
	R15	MAHMOOD, A. <i>et al.</i> "Intracerebral transplantation of marrow stromal cells cultured with neurotrophic factors promotes functional recovery in adult rats subjected to traumatic brain injury" <i>J Neurotrauma</i> , 2002, 19:1609-1617.	
	R16	NAKAO, N. <i>et al.</i> "Effect of atrial natriuretic peptide on ischemic brain edema: Changes in brain water and electrolytes" <i>Neurosurgery</i> , 1990, 27:39-44.	
	R17	NARUSE, S. <i>et al.</i> "Effects of atrial natriuretic peptide on brain oedema: The change of water, sodium, and potassium contents in the brain" <i>Acta Neurochir Suppl (Wien)</i> , 1990, 51:118-121.	
	R18	NOCERA, R. <i>et al.</i> "Novel strategies of neuroprotection against pathologic consequences of stroke in the aged brain" <i>Society for Neurosci. Abstracts</i> , 2001, 27(2):2302, Meeting date November 10-15, 2001.	
	R19	OGAWA, Y. <i>et al.</i> "Molecular cloning of the complementary DNA and gene that encode mouse brain natriuretic peptide and generation of transgenic mice that overexpress the brain natriuretic peptide gene" <i>J. Clin. Invest.</i> , 1994, 93(5):1911-1921.	
	R20	PORTER, J.G. <i>et al.</i> "Cloning of a cDNA encoding porcine brain natriuretic peptide" <i>J. Biol. Chem.</i> , 1989, 264(12):6689-6692.	
	R21	QUAN, H. <i>et al.</i> "Inducible regulation of human brain natriuretic peptide promoter in transgenic mice" <i>Am. J. Physiol. Heart Circ. Physiol.</i> , 2001, 280:H368-H376.	
	R22	ROY, R.N. and FLYNN, T.G. "Organization of the gene for iso-rANP, a rat B-type natriuretic peptide" <i>Biochem. Biophys. Res. Commun.</i> , 1990, 171(1):416-423.	
	R23	SANCHEZ-RAMOS, J.R. "Neural cells derived from adult bone marrow and umbilical cord blood" <i>J. Neurosci. Res.</i> , 2002, 69:880-893.	
	R24	SEILHAMER, J.J. <i>et al.</i> "Human and canine gene homologs of porcine brain natriuretic peptide" <i>Biochem. Biophys. Res. Commun.</i> , 1989, 165(2):650-658.	
	R25	SONG, S. <i>et al.</i> "Nerve growth factor and retinoic acid induce development of neuronal cells from bone marrow stromal cells of both young and old mice" <i>Society for Neurosci. Abstracts</i> , 2001, 27(1):940, Meeting date November 10-15, 2001.	
	R26	SONG, S. <i>et al.</i> "Expression of brain natriuretic peptide by human bone marrow stromal cells" <i>Society for Neurosci. Abstracts</i> , 2002, Abstract No. 824.3, Meeting date November 2-7, 2002.	

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**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet

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of

4

Application Number

10/526,584

Filing Date

March 3, 2005

First Named Inventor

Shyam S. Mohapatra

Group Art Unit

1632

Examiner Name

Attorney Docket Number

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	R27	SONG, S. and SANCHEZ-RAMOS, J. "Preparation of Neural Progenitors from Bone Marrow and Umbilical Cord Blood" in <i>Protocols for Neural Stem Cell Methods</i> , Zigova, T. <i>et al.</i> , Eds., 2002, pp.79-88.	
	R28	SONG, S. <i>et al.</i> "Expression of brain natriuretic peptide by human bone marrow stromal cells" <i>Experimental Neurology</i> , 2004, 185:191-197.	
	R29	STEINHELPER, M.E. "Structure, expression, and genomic mapping of the mouse natriuretic peptide type-B gene" <i>Circ. Res.</i> , 1993, 72(5):984-992.	
	R30	SUDOH, T. <i>et al.</i> "Brain natriuretic peptide-32: N-terminal six amino acid extended form of brain natriuretic peptide identified in porcine brain" <i>Biochem Biophys Res Commun</i> , 1988, 155:726-732.	
	R31	VLASUK, G.P. <i>et al.</i> "Structure and analysis of the bovine atrial natriuretic peptide precursor gene" <i>Biochem. Biophys. Res. Commun.</i> , 1986, 136(1):396-403.	
	R32	ZIVIN, R.A. <i>et al.</i> "Molecular cloning and characterization of DNA sequences encoding rat and human atrial natriuretic factors" <i>Proc. Natl. Acad. Sci. USA</i> , 1984, 81(20):6325-6329.	
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